



For Internal Use Only
Hurricane Sandy– EPA Activities
EPA Internal Update: November 3, 9:30 AM

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Situation Summary

Overview

- Power and telecommunication restoration, generators and fuel, dewatering, and commodity deliveries remain the critical focus for the recovery and response operations. The Port of New York City (NYC) is open with restrictions. Fuel tug barges are moving to offload facilities. Across the affected area, there are 328 shelters open with 18,057 occupants.
- Tunnel unwatering efforts are underway at the Brooklyn Battery Tunnel, New York City's number one priority site.
- The President has signed major disaster declarations for NY, NJ, and CT and signed Emergency Declarations for 10 States and the District of Columbia (DC). Emergency Declarations have been signed for CT, DC, DE, MA, MD, NJ, NY, PA, RI, WV, and VA.
- Effective 11/1, President Obama amended the cost-sharing arrangements regarding Federal funds for disaster relief for the States of CT, NY, and NJ. The amendment authorizes 100% cost sharing for ten days for emergency power restoration and emergency public transportation assistance from 10/30 through 11/9.
- There are 2,700,000 customers currently without power.
- There are 109 confirmed fatalities associated with this event.
- FEMA's National Response Coordination Center (NRCC) is at Level I (Full Activation) with all Emergency Support Functions and Liaison Officers activated.

HQ EOC

- The Headquarters EOC remains activated at Level 1 and is fully operational for the weekend of 11/3-11/4.
- **Fuel Waiver(s) and No Action Assurances (NAA):**
 - Air:
 - Diesel fuel waiver under development for NY.
 - Two NAAs under development: one for addressing vapor recovery requirements at bulk gasoline loading and marine terminals in NY and NJ (to facilitate delivery of fuel to those areas) and one to allow temporary fueling stations at four Motiva terminals in NY and NJ (to enable access by Motiva employees/contractors to repair damaged terminals).
 - Water:
 - NAA under development: To allow discharge without a National Pollutant Discharge Elimination System (NPDES) permit by the Army Corps of Engineers for work related to pumping water out of tunnels in NY and pumping water to sewage treatment plants in NJ.

For waivers issued, please consult <http://epa.gov/enforcement/air/fuel-waivers.html>.



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EOC Water Desk

The EOC Water Desk is currently staffed by Office of Water personnel.

Region 2 Drinking Water/Wastewater summary:

Operational Status of Wastewater Systems Date – 11/03/12 (no updates received; data are expected during the weekend)

[The number of affected systems in NJ was 19 (15 accounted for and 4 have no update)]

MUNI WASTEWATER SYSTEMS	New Jersey		New York	
	#	Pop	#	Pop
Operating *	229*	n/a	16	n/a
Not Operating	9	2,287,000***	5	n/a
Awaiting Further Information **	6**	n/a	28	n/a
Total	244	n/a	49	n/a

*Number includes All State WW Systems

** Reflects systems not Operating at Full Capacity]

*** Only have population data for three of the larger systems that serve a population of at least 2,287,000

Status reported by State

Operational Status of Drinking Water Systems Date – 11/03/12 (no updates received for the operational period; data expected over the weekend)

[Reflects preliminary information provided by state of New Jersey and does not include all facilities in the impacted area]

[Information for New York needs to be collected]

DRINKING WATER SYSTEMS	New Jersey		New York	
	#	Pop	#	Pop
Operating under Grid Power	4	643,417		
Operating with Backup Power	35	2,140,823		
No Power	16	935,310		
Boil Water	8	200,522		
Total		4,739,402		



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WARN Report

Suffolk County, NY: Generator requests were turned down for Stony Brook Hospital by local EOC, so generator was pulled off a permanent pad. 165 stations are without power. Fuel is a major concern with 300 gallons left. Two 450KW generators are needed.

Region 2 Water Impacts

- New Jersey:
 - EPA received requests to provide technical assistance to two wastewater treatment plants, the Passaic Valley Sewerage Commission (PVSC) and the Middlesex County Utility Authority (MCUA). For PVSC, reports have been received that the utility has been unable to control the amount of sewage being processed through the plant. Although power has been restored, the plant remains shut down due to damage. Raw sewage continues to discharge into Newark Bay. EPA has been contacted to provide assistance along with State personnel. For MCUA, the facility has reported damage to the treatment plant as a result of Hurricane Sandy. Approximately 300 million gallons per day (mgd) of untreated wastewater is being discharged into the Raritan River and Bay. Attempts to reduce the flow of discharge are being conducted by the facility.
 - EPA personnel have deployed to Ocean County to meet with the New Jersey Department of Environmental Protection (NJDEP), county, and local officials to discuss damage assessments, critical needs and coordinated response efforts with NJDEP.
 - EPA continues to consolidate data received from telephone surveys of drinking water treatment facilities collected by NJDEP and EPA Regions 1 and 2 personnel. This information will be used to address any needs these facilities may have in efforts to reestablish normal operating procedures for providing water services in New Jersey.
- New York:
 - Water teams have been designated to mobilize during the next operational period to conduct drinking water assessments once priority locations have been established. Activities will include facility damage assessments and obtaining critical needs for the plant to operate appropriately.

Region 3 Water

- Delaware:
 - One small water system on the bayside of Delaware is on a precautionary boil water advisory due to flooding. Samples were taken, results expected 11/2.
- Maryland:



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- Frederick County: 7 systems are impacted, 5 still have power issues, 1 system is draining second reservoir to address turbidity issues, 1 system is back in operation.
- Somerset County: Two very small systems were without power on Smith Island as of 10/31/12; power restoration nearly complete. Full restoration expected by 11/2. Power has been restored at other non-Smith Island systems. Crisfield boil water advisory has been lifted.
- Garrett County: The County has issued a water conservation alert. 4 systems are on back-up power; 2 systems are without power (Deer Park and Mt Lake Park). Deer Park expected to have power by 11/2. Mt Lake Park is receiving water via an interconnection with another system.
Two systems have resumed normal operations – McHenry and Bloomington.
- Pennsylvania
 - As of 2000 hrs on 11/1, a total of 57 water systems (approximately 17,500 total service population) were impacted. Among these, 52 systems are on boil water advisories; 31 systems were not operating. 12 systems have partial operations.
- Virginia
 - The boil water notices previously issued to two northern VA systems were removed as of Thursday, November 1, 2012.
 - As of the afternoon of 11/1, only three water systems are on boil water notices. One system in southeastern Virginia (Accomack Manor, 155 persons served) lost power, which was restored by 11/1/12. The other two systems are in southwestern Virginia: Town of Pocahontas, Tazewell County (1,200 persons served); Buchanan County PSA (1,400 persons served). Line power has been restored to the Town of Pocahontas
- West Virginia
 - Many systems have not been contacted due to telephone lines being down and roads impassable.
 - For the storm, 55 of 474 community water systems currently affected
 - Total population currently affected: 118,644 (8%).

EPA Region 1

- EPA Region 1 has demobed from all State venues.
- Region 1 has sent five OSCs to Region 2 over the weekend of 11/3 – 11/4.

EPA Region 2

- The Manhattan EPA Office is closed for the week.
- The REOC is fully staffed and operational. Deployments have occurred in New York and New Jersey. FEMA may be adjusting operational



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plans to issue Mission Assignments. FEMA RRCC is moving into an Area Command formation and moving operations to Washington, D.C. All Mission Assignments (MA) will be signed and issued from that location.

- The REOC continues to wait for final signatures of Mission Assignments for New York and New Jersey for drinking water and wastewater assessments/technical support. Verbal approval has been documented in a memorandum for the record.
- OSCs have deployed to Raritan Bay Slag Superfund site to assess impacts from the storm. They plan to re-secure and/or install temporary fencing and possibly collect and analyze some soil samples utilizing the XRF.
- The Region 2 EPA laboratory remains non-operational due to power outages. The Emergency Laboratory Network has been activated and is maintaining a list of functioning laboratories in the area. Additional assets include EPA laboratories in other regions.
- The Army Corps of Engineers has not been involved in responses based on not receiving Mission Assignments. Efforts are underway to provide an Agency-to-Agency MA to the Corps of Engineers.
- There has been difficulty in moving fuel to gas stations. OECA is working on a memo indicating there will be no action assurance for the minimal amounts of vapor recovery in locations where the recovery is not possible due to lack of power.
- New Jersey activities of interest include:
 - **Phillips 66 Linden:** The facility reported an unknown amount of oil released into a nearby waterway. Oil impacted a cemetery along with wildlife. NJDEP personnel responded to the facility along with facility response contractors. Tri-County personnel were deployed to work with oil covered animals. It is located within the USCG response jurisdiction zone, and the REOC remains aware of the situation.
 - **Motiva Perth Amboy:** There was a release volume of approximately 8,000 gallons from the facility into the Arthur Kill. The correct estimate is 311,000 gallons of diesel fuel released into the waterway. The USCG has been working with the PRP on response and recovery efforts at this facility. Although located within the USCG response jurisdiction zone, EPA remains informed of clean-up operations.
- New York activities of interest include:
 - The REOC is anticipating the approval of Mission Assignments for HHW and orphan container reconnaissance and recovery. Deployment teams are on standby and at the ready.
 - EPA has deployed OSCs to Nassau and Suffolk Counties New York located on Long Island and will participate in a multi-agency assessment team.
 - Two OSCs continue to work with New York City officials and Army Corp of Engineers personnel on dewatering activities. A list of priority infrastructure has been generated and efforts continue to focus on opening tunnels and transportation hubs throughout lower Manhattan.



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- Continuing to check Superfund and active removal sites. No damage, releases, or power outages have been identified thus far. There has been no request for assistance from the states.
- Region 3 has de-mobed from the RRCC per FEMA's request.

RESOURCE

Personnel:

NUMBER OF DEPLOYED PERSONNEL to Impacted Areas: (will now reflect personnel supporting Region 2)

State/Location/Region	Current EPA Personnel In Field	Current Contractor Personnel In Field	EPA Personnel in REOC	Contractor Personnel in REOC	Total
Region 2	13	7	31	3	54

NUMBER OF HEADQUARTER'S PERSONNEL:

Headquarters	EPA Personnel	Contractor Personnel	Total
Total	16	2	18

EPA/Contractor Personnel Totals

Location	Totals
Region/State	54
HQ	18
Incident Total	72



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FINANCES:

MISSION ASSIGNMENTS FOR REGIONS:

State/FEMA #	Date	Amount	Purpose
Region 1 – 3353 EM-CT-EPA-01	10/29/12	\$30,000	Activate EPA ESF-10 at state EOCs and FEMA RRCC
Region 2 - NY12102504-EPA-01	10/27/12 – 11/1/12	\$5,000	NY ROC Support/Assessment
Region 2/NJ-4086DR-NJ-EPA-01	11/1/12 – 11/10/12	\$50,000	NJ ROC Support/Assessment
Region 3/PA		\$16,000	FEMA RRCC ESF-10 Desk Support
Region 1 – MA-12102506-EPA-01	10/26/2012	\$10,000	Activate EPA to RRCC and IMAT Amended to de-obligate funding on 10/31/2012
4087DR-CT-EPA-01	11/01/2012	\$20,000	Activate EPA to RRCC and IMAT ESF-10
Region 2 – NJ-12102503-EPA-01	10/29/2012	\$10,000	FEMA RRCC ESF-10 Desk Support
Region 3 – DE-12102505-EPA-01	10/29/2012	\$16,000	FEMA RRCC ESF-10 Desk Support
TOTAL		\$157,000	

MISSION ASSIGNMENTS FOR HQ:

FEMA #	Date	Amount	Purpose
District of Columbia	10/29/2011	\$10,000	Deployment to NRCC to support ESF-10
TOTAL		\$10,000	



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IMPACTED FACILITIES:

Region 2:

Regulatory Program	Number of Facilities Contacted	Number of Facilities Reached	Report of Facility Releases
FRP	55	50	3
RMP	26	20	0
Total	70	70	3